In re the Application of BARRY DOUGLAS ARMOUR U.S. Appln. No. 10/531,488

Attorney Docket No. 0074-516912

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1.(Previously presented) A truck comprising: a chassis supporting a cab and that has an

initial orientation relative to the ground, wherein the cab is at a forward end of the truck; and a

deck which is supported at least partly by a rearmost axle and wheels by a suspension

arrangement, with a forward part of the suspension arrangement operatively connected to the

chassis to move with the chassis and a rear part of the suspension arrangement operatively connected to the deck or a deck support frame to move with the deck or deck support frame,

wherein the deck is tiltable relative to the chassis about a pivot axis that provides a center of

rotation of the deck or deck support frame relative to the chassis and that is located in front of the

rearmost axle of the truck and arranged such that as the deck tilts rearwardly, the chassis tilts

forwardly from the initial orientation and the forward part of the suspension arrangement moves

with the chassis such that said forward part of the suspension arrangement moves upwardly

toward a part of the deck immediately above the forward part of the suspension arrangement

such that a vertical spacing between the forward part of the suspension arrangement and that part

of the deck is reduced, and such that a part of the deck immediately above the rearmost axle

lowers towards the rearmost axle to provide a low loading angle of the deck.

2. (Original) A truck as claimed in claim 1, wherein the chassis terminates forwardly of the

rearmost axle.

3.(Previously presented) A truck as claimed in claim 1, wherein the deck is supported by a

deck support frame which is pivotally connected to the chassis at the pivot axis.

4. (Previously presented) A truck as claimed in claim 1, wherein the deck is pivotally

connected to the chassis at the pivot axis.

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5.(Previously presented) A truck as claimed in any one of the preceding claims, wherein the

chassis comprises a pair of transversely extending arms which are pivotally connected to the

deck or deck support frame to provide the pivoting connection between the deck and the chassis.

6. (Currently amended) A truck as claimed in claim 5, wherein the outwardly transversely

extending arms are part of a chassis subframe member which forms a rearward part of the

chassis.

7. (Previously presented) A truck as claimed in claim 1, wherein said pivot axis is positioned

forwardly of said forward part of the suspension arrangement.

8. (Previously presented) A truck as claimed in claim 1, wherein the suspension arrangement

comprises leaf spring suspension.

9. (Previously presented) A truck as claimed in claim 8, wherein the leaf spring suspension

comprises a pair of spaced apart leaf springs, with the rear ends of the leaf springs operatively

connected to the deck or deck support frame, and the front ends of the leaf springs operatively

connected to the chassis, so that as the deck tilts the front ends of the leaf springs move upwardly

toward the part of the deck immediately above the front ends of the leaf springs, thereby

lowering the deck towards the axle.

10.(Previously presented) A truck as claimed in claim 9, wherein the chassis comprises a pair

of spring connectors for attachment to the front ends of respective leaf springs.

11. (Original) A truck as claimed in claim 10, wherein the spring connectors are carried by a

chassis subframe member which forms a rearward part of the chassis.

12. (Cancelled)

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13. (Previously presented) A truck as claimed in claim 1, wherein the suspension arrangement

comprises a pair of spaced apart leaf springs, with the front ends of the leaf springs operatively connected to the chassis, and the rear ends of the leaf springs operatively connected to the deck

or deck support frame via respective air bags configured to enable air to be expelled as the deck

is tilted, thereby further lowering the deck towards the rearmost axle.

14.(Previously presented) A truck as claimed in claim 1, wherein the deck comprises a pair of

apertures, shaped recesses or moveable covers which enable upper edges of the wheels to extend

above a lower part of the deck when the deck is tilted.

15. (Previously presented) A truck as claimed in claim 1, comprising an engine supported by

the chassis, a driveshaft to transmit motive power from the engine and which extends rearwardly

from the engine, and a differential to transmit motion from the driveshaft to the wheels carried

by the rearmost axle, wherein the driveshaft comprises a pivot to accommodate changes in angle

between the driveshaft and differential as the deck is tilted.

16.(Previously presented) A truck as claimed in claim 1, wherein the truck comprises a ramp

at or towards the rear end of the deck and which is moveable from a storage position to a

loading/unloading position to enable ease of loading and unloading of vehicles or goods onto and

off the deck.

17.(Previously presented) A truck as claimed in claim 16, wherein the ramp is configured to

automatically move to the loading/unloading position as the deck is tilted, and to automatically

move to the storage position as the deck is returned from a tilted position.

18. (Previously presented) A truck as claimed in claim 16, wherein the ramp is pivotally

connected to the deck or deck support frame.

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19.(Original) A truck as claimed in claim 18, wherein the ramp is foldable across its width, and as configured to automatically fold in the storage position and unfold in the loading/unloading position.

20.(Previously presented) A truck comprising: a chassis supporting a cab and that has an initial orientation relative to the ground, wherein the cab is at a forward end of the truck; and a deck that is rearward of the cab and which is supported at least partly by a rearmost axle and wheels by a suspension arrangement, with a forward part of the suspension arrangement operatively connected to the chassis to move with the chassis and a rear part of the suspension arrangement operatively connected to the deck or a deck support frame to move with the deck or deck support frame, wherein the deck is tiltable relative to the chassis about a pivot axis that provides a center of rotation of the deck or deck support frame relative to the chassis and that is located in front of the rearmost axle of the truck and in front of said forward part of the suspension arrangement and arranged such that as the deck tilts rearwardly, the chassis tilts forwardly from the initial orientation and the forward part of the suspension arrangement moves with the chassis such that said forward part of the suspension arrangement moves upwardly toward a part of the deck immediately above the forward part of the suspension arrangement such that a vertical spacing between the forward part of the suspension arrangement and that part of the deck is reduced, and such that a part of the deck immediately above the rearmost axle lowers towards the rearmost axle to provide a low loading angle of the deck.

21. (Previously presented) A truck comprising: a chassis supporting a cab and that has an initial orientation relative to the ground, wherein the cab is at a forward end of the truck; and a deck that is rearward of the cab and which is supported at least partly by a rearmost axle and wheels by a suspension arrangement, with a forward part of the suspension arrangement operatively connected to the chassis at a chassis operative connection to move with the chassis and a rear part of the suspension arrangement operatively connected to the deck or a deck support frame to move with the deck or deck support frame, wherein the deck is tiltable relative to the chassis about a pivot axis that provides a center of rotation of the deck or deck support frame relative to the chassis and that is located in front of the rearmost axle of the truck and in

front of said chassis operative connection and arranged such that as the deck tilts rearwardly, the chassis tilts forwardly from the initial orientation and the forward part of the suspension arrangement moves with the chassis to lift the forward part of the suspension arrangement upwardly toward a part of the deck immediately above the forward part of the suspension arrangement such that a vertical spacing between the forward part of the suspension arrangement and that part of the deck is reduced, and such that a part of the deck immediately above the rearmost axle lowers towards the rearmost axle to provide a low loading angle of the deck.

- 22. (Previously presented) A truck as claimed in claim 21, wherein the suspension arrangement comprises a spring, with a forward part of the spring operatively connected to the chassis and a rearward part of the spring operatively connected to the deck or deck support frame, and arranged such that as the deck tilts rearwardly, the chassis tilts forwardly to lift the forward part of the spring upwardly toward the part of the deck immediately above the forward part of the spring, thereby lowering the deck towards the rearmost axle.
- 23. (Previously presented) A truck as claimed in claim 1, wherein an underside of the deck contacts the wheels when the deck is tilted rearwardly.

24. (Previously presented) A truck comprising:

a rear axle and wheel assembly;

- a chassis having a forward portion that supports a cab, a terminal portion that terminates at a location forward of said rear axle and wheel assembly, a pivot portion located between the forward portion and the terminal portion, and an initial orientation relative to the ground, wherein the cab is at a forward end of the truck;
- a deck that is rearward of the cab and having a forward portion that overlies the terminal portion and the pivot portion of said chassis and a rearward portion that extends rearward of the rear axle and wheel assembly; and
- a suspension spring having a forward part connected to the terminal portion of said chassis, a rearward part connected to the rearward portion of said deck, and an intermediate part connected to the rear axle and wheel assembly:

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wherein said deck is operatively connected to the pivot portion of said chassis so as to be tiltable relative to the chassis about a horizontal pivot axis in the pivot portion, and is configured such that when the deck is tilted rearwardly about the pivot axis, the chassis tilts forwardly from the initial orientation and the forward part of the suspension spring moves with the chassis such that said forward part of the suspension spring moves toward a part of the deck immediately above the forward part of the suspension spring such that a vertical spacing between the forward part of the suspension spring and that part of the deck is reduced, and such that a part of the deck

immediately above the rearmost axle lowers towards the rearmost axle to provide a low loading

angle for the deck.

25. (Previously presented) A truck as claimed in claim 24, wherein the truck comprises a deck support frame, and the rearward part of the suspension spring is connected to the rearward portion of said deck via said deck support frame.

26. (Previously presented) A truck as claimed in claim 24, wherein the suspension spring comprises a leaf spring and an air bag, with the rearward part of the leaf spring connected to the

deck via the air bag.

27. (New) A truck comprising: a chassis supporting a cab and that has an initial orientation relative to the ground, wherein the cab is at a forward end of the truck; and a deck which is supported at least partly by a rearmost axle and wheels by a suspension arrangement, said suspension arrangement comprising a leaf spring suspension with a forward part of the suspension arrangement operatively connected to the chassis to move with the chassis and a rear part of the suspension arrangement operatively connected to the deck or a deck support frame to move with the deck or deck support frame, said leaf spring suspension comprising a pair of spaced apart leaf springs, with the rear ends of the leaf springs operatively connected to the deck or deck support frame, and the front ends of the leaf springs operatively connected to the chassis, so that as the deck tilts the front ends of the leaf springs move upwardly toward the part of the deck immediately above the front ends of the leaf springs, thereby lowering the deck towards the axle, wherein the deck is tiltable relative to the chassis about a pivot axis that provides a center

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of rotation of the deck or deck support frame relative to the chassis and that is located in front of the rearmost axle of the truck and arranged such that as the deck tilts rearwardly, the chassis tilts forwardly from the initial orientation and the forward part of the suspension arrangement moves with the chassis such that said forward part of the suspension arrangement moves upwardly toward a part of the deck immediately above the forward part of the suspension arrangement such that a vertical spacing between the forward part of the suspension arrangement and that part of the deck is reduced, and such that a part of the deck immediately above the rearmost axle lowers towards the rearmost axle to provide a low loading angle of the deck, wherein said deck comprises a pair of apertures, shaped recesses or moveable covers which enable the front ends of the leaf springs to extend above a lower part of the deck when the deck is tilted.